Transducer Electronic Data Sheet (TEDS) SELF-ID Load Cell

- **Load cell with electronic identification inside**
- **Meets IEEE 1451.4 standard for smart transducer interface**
- **Available on new or existing load cells**
- **Plug and play**
- **Cuts instrument setup time**
- **Eliminates data entry error**
- **Sensor information and calibration data**

Actual size compared to standard load cell

Interface has offered sensors with various types of SELF-ID for many years. The SELF-ID features eliminates the need to enter data via a keyboard or key panel from a paper calibration sheet into the instrument used with the load cell. This feature offers the following benefits:

- Eliminates potential for data entry error
- Cuts time in half to set up instrument
- Makes swapping of load cells easy
- Increases safety by making certain that system has the correct capacity of the load cell
- Can be used to identify location of load cell
- No need to store calibration sheets, no more paper, no more concern about lost sheets
- Makes inventory control of your load cells easy
- Load cells can be changed out without jeopardizing integrity of system

Now TEDS provides additional advantages over proprietary SELF-ID because it is an industry standard (IEEE 1451.4) which has the potential to permit mix and matching of load cells and instruments from different manufacturers.

IEEE1451.4 specifies a table of identifying parameters that are stored in the load cell in the form of a TEDS (Transducer Electronic Data Sheet). TEDS is a table of parameters that identify the transducer and is held in the transducer on a EEprom for interrogation by external electronics.